

Abstract Of The Invention

The invention describes an optical waveguide and a fiberoptic isolator wherein the optical waveguide rotating the plane of polarization of coupled light consists of a fiber core (11) exhibiting the Faraday effect, a fiber cladding (3) and a coating (5) concentrically surrounding the YIG-doped fiber core (11) and generating a permanent magnetic field. The outer coating (5) is manufactured from a material that is magnetizable or has magnetic properties.